

**ABSTRACT**

The invention provides a method for detecting abnormal tissue by enhancing the vascularity of abnormal tissue using a vasodilatory agent prior to administering a radiopharmaceutical which selectively accumulates in abnormal tissue. In one embodiment the vasodilatory agent is dipyridamole and the radiopharmaceutical is Technetium-99m hexakis 2-methoxyisobutylisonitrile (sestamibi).